



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Site Remediation Waste Management Program
Bureau of Ground Water Pollution Abatement

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PHIL MURPHY
Governor

SHEILA OLIVER
Lt. Governor

CATHERINE R. MCCABE
Acting Commissioner

7 February 2019

Jonathan Gorin, Remedial Project Manager
Emergency & Remedial Response Division
U.S. Environmental Protection Agency, Region 2
290 Broadway, 19th Floor
New York, NY 10007-1866

Re: Classification Exception Area/Well Restriction Area
Puchack Well Field Superfund Site
400 Cove Road
Pennsauken, Camden County
Program Interest Number: (PI# G000005490)
Subject Item ID: CEA100124757

Dear Mr. Gorin,

Please be advised that the New Jersey Department of Environmental Protection (Department) has established a Classification Exception Area/Well Restriction Area (CEA/WRA) for contamination in ground water associated with this site. A CEA/WRA is an institutional control that the Department uses to restrict the use of ground water within an area where ground water contaminant concentrations exceed the applicable Ground Water Quality Standards (N.J.A.C. 7:9C-1.7). The Department has established this CEA/WRA in response to information submitted to the Department by Frank Tsang of CDM Smith, on a CEA/WRA Fact Sheet Form received by the Department on 11 January 2018.

The CEA/WRA is described on the enclosed CEA/WRA Fact Sheet. As indicated on the Fact Sheet, ground water within the CEA/WRA contains chromium and sodium at concentrations that exceed the Ground Water Quality Standards. The contamination is attributed to discharges that occurred at the SGL Modern Hard Chrome Facility. Remediation of the contamination is ongoing.

The CEA/WRA is for an indeterminate duration. Attainment of the Ground Water Quality Standards must be confirmed through ground water, pursuant to N.J.A.C. 7:26C-7.9(f). Consistent with N.J.A.C. 7:26C-7.3, the Department may revise or remove the CEA/WRA at any time in the interim on the basis of new ground water data.

Thank you for your attention to this matter. If you have any comments or questions regarding this CEA/WRA, please contact David Van Eck at (609) 633-2427.

Sincerely,



Mary Anne Kuserk, Chief
Bureau of Ground Water Pollution Abatement

Enclosure

- c: Frank Tsang, CDM Federal Programs Corporation
- Gene Padalino, Pennsauken Township Clerk
- Joseph Ripa, Camden County Clerk
- Paschal Nwako, PhD, Camden County Health Officer
- Andrew Levecchia, Camden County Planning Board
- American Water Contract Services
- City of Camden Dept. of Utilities

Classification Exception Area/Well Restriction Area

Case Information: Subject Item Designation Activity Number
CEA100124757 Camden City Water Dept. PFR000002

Case ID: G000005490 - PFR000002
Case Number: CAMDEN CITY WD PUCHACK/OU1&OU2
Preferred Id: G000005490
Case: Camden City Water Dept. Puchack Wellfield Contamination
Address: Off of River Rd
City: Pennsauken Twp
County: Camden

Site Location: Refer to Exhibit A – Site Location Map

Lot and Block of the CEA

<u>Subject Item</u>	<u>Block</u>	<u>Lot</u>	<u>Municipality</u>	<u>Off-Site</u>
CEA100124757	1301	1	Pennsauken Twp	No
CEA100124757	1302	1	Pennsauken Twp	No
CEA100124757	There are numerous other affected parcels in Pennsauken. See original Fact Sheet Form, Attachment 1.			

Facility Contact(s)

Person Responsible for Conducting the Remediation: Jonathan Gorin, Remedial Project Manager
Emergency & Remedial Response Division
U.S. Environmental Protection Agency, Region 2
290 Broadway, 19th Floor
New York, NY 10007-1866

Property Owner: City of Camden Dept. of Utilities
1056 Wright Avenue, 3rd Floor
Camden, NJ 08103

NJDEP Contact: Bureau of Ground Water Pollution Abatement
(609) 292-8427

CEA Information

<u>Subject Item</u>	<u>Description</u>
CEA100124757	CEA is a widespread chromium plume emanating from the SGL Modern Hard Chroma facility, migrating offsite and covering approx. 539 acres in Pennsauken. Delineated by wells and fate and transport model.

<u>Subject Item</u>	<u>Affected Geologic Formation</u>	<u>Vertical Depth</u>
CEA100124757	Potomac-Raritan-Magothy	220

<u>Subject Item</u>	<u>Classification</u>
CEA100124757	II-A

Contaminants

This CEA/WRA applies only to the contaminants listed in the table below. Pursuant to N.J.A.C. 7:9C-1.6, all constituent standards of the surrounding classification area apply at the CEA perimeter.

<u>Subject Item</u>	<u>Contaminant</u>	<u>Concentration (1)</u>	<u>GWQS (2)</u>
CEA100124757	Chromium	22000 Micrograms Per Liter	70 Micrograms Per Liter
CEA100124757	Sodium	2390 Milligrams per Liter	50 Milligrams per Liter

Note: (1) Maximum concentration detected at the time of CEA establishment
(2) Ground Water Quality Standards

CEA Boundary: Refer to Exhibit B – CEA Boundary Map

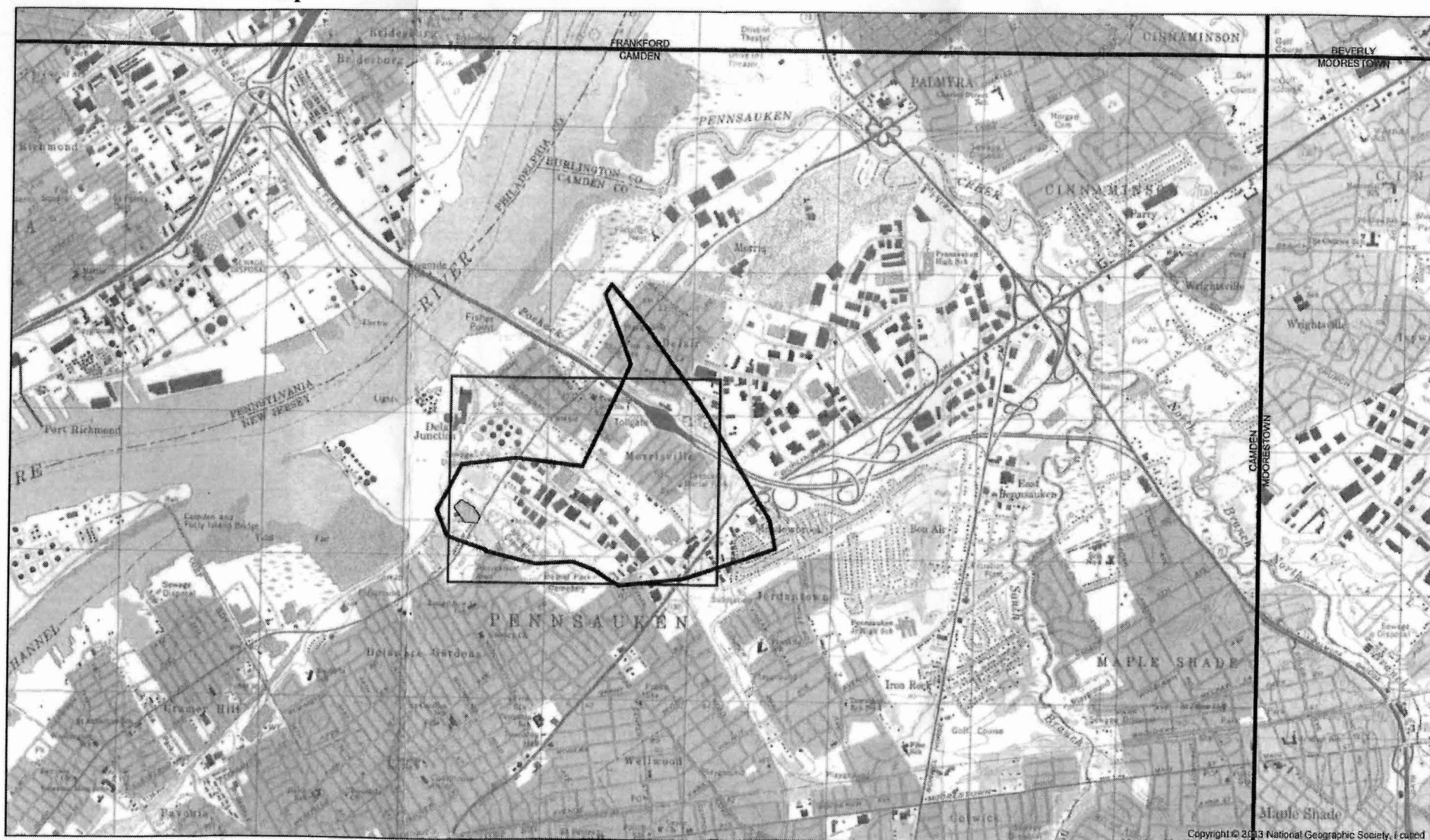
Projected Term of CEA:

<u>Subject Item</u>	<u>Date Established</u>
CEA100124757	02/11/2019

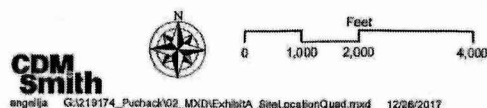
<u>Subject Item</u>	<u>Duration in Years</u>
CEA100124757	Indeterminate

<u>Subject Item</u>	<u>Anticipated Expiration Date</u>
CEA100124757	Indeterminate

Exhibit A – Site Location Map



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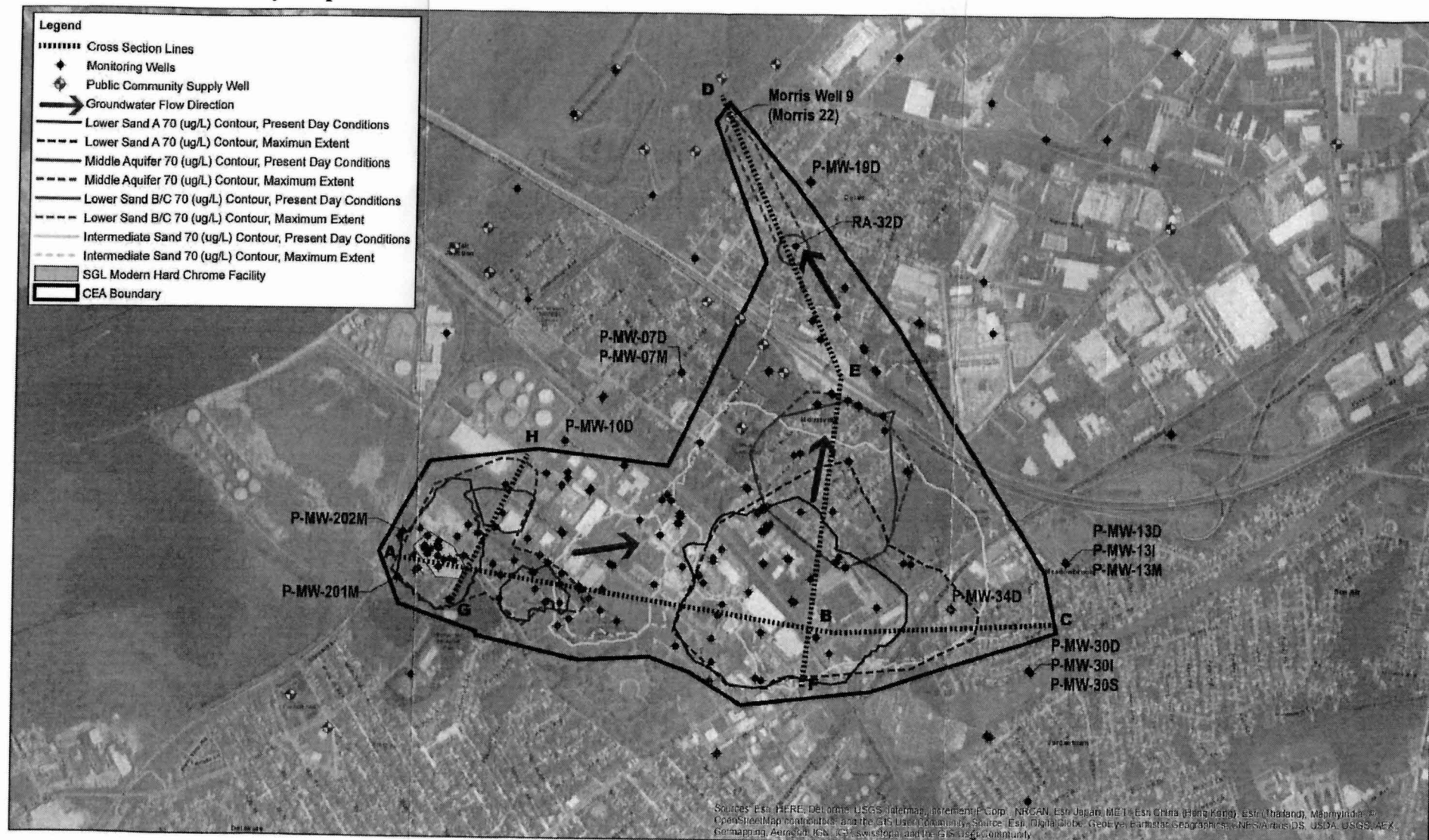


- Site Location
- SGL Modern Hard Chrome Facility
- USGS 7.5 Minute Quad Boundary
- CEA Boundary

Exhibit A
USGS 7.5 Minute Quad Site Location

Puchack Well Field Superfund Site
Pennsauken Township, New Jersey

Exhibit B – CEA Boundary Map



CDM
Smith

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Feet
0 500 1,000 2,000

Exhibit B1 Chromium Plumes and CEA Extent

Puchuck Well Field Superfund Site
Pennsauken Township, New Jersey